

SEQUENCE LISTING

<110> Bloomquist, Brian T.
Zhelnin, Leonid

<120> Human Neuropeptide Y-Like G
Protein-Coupled Receptor

<130> 02973.00040

<150> US 60/216,523
<151> 2000-07-06

<160> 3

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 1296
<212> DNA
<213> Homo sapiens

<400> 1
atgcaggcgc ttaacattac cccggagcag ttctctcgcc tgctgcggga ccacaacctg 60
acgcggggagc agttcatcgc tctgtaccgg ctgcgaccgc tcgtctacac cccagagctg 120
ccgggacgcgc ccaagctggc cctcgtgctc accggcgtgc tcatottcgc cctggcgctc 180
tttggcaatg ctctgggtt ctacgtggtg acccgcagca agggcatgctg caccgtcacc 240
aacatcttta tctgctcctt ggcgctcagt gacctgctca tcaccttctt ctgcattccc 300
gtcaccatgc tccagaacat ttccgacaac tggctgggg gtgcatttcattt tgcaagatg 360
gtgcatttg tccagtcac cgctgttgtg acagaaatcc tcactatgac ctgcatttgct 420
gtggaaaggc accaggact tgcgtatcct tttaaaatga agtggcaata caccaccgaa 480
agggcttca caatgttagg tgcgttgtt ctgggtggcag tcacgttagg atcaccatgc 540
tggcacgtgc aacaacttga gatcaaatat gacttcctat atgaaaaggaa acacatctgc 600
tgcttagaag agtggaccag ccctgtgcac cagaagatct acaccacctt catccttgct 660
atccctttcc tcctgcctct tatggtgatg cttattctgt acagtaaaat tggttatgaa 720
ctttggataa agaaaagagt tggggatggt tcagtgcttc gaactattca tggaaaagaa 780
atgtccaaaa tagccaggaa gaagaaacga gctgtcatta tgatggtgac agtggtggt 840
ctcttgctg tgcgtggc accattccat gttgtccata tgatgattga atacagtaat 900
tttggaaaagg aatatgtga tgcacaatc aagatgattt ttgctatcgt gcaaattatt 960
ggattttcca actccatctg taatcccatt gtctatgcattt ttagaatga aaacttcaaa 1020
aaaaatgttt tgcgtgcagt ttgttattgc atagtaaata aaaccttctc tccagcacaa 1080
aggcatggaa attcaggaat tacaatgtg cgaaagaaaag caaagtttc cctcagagag 1140
aatccagtgg aggaaaccaa aggagaagca ttcaatgtg gcaacattga agtcaaattg 1200
tgtgaacaga cagaggagaa gaaaaagctc aaacgacatc ttgctctt taggtctgaa 1260
ctggctgaga attctccattt agacagtggg cattaa 1296

02973.00040
405552
5058

<210> 2
<211> 431
<212> PRT
<213> Homo sapiens

<400> 2
Met Gln Ala Leu Asn Ile Thr Pro Glu Gln Phe Ser Arg Leu Leu Arg
1 5 10 15
Asp His Asn Leu Thr Arg Glu Gln Phe Ile Ala Leu Tyr Arg Leu Arg
20 25 30
Pro Leu Val Tyr Thr Pro Glu Leu Pro Gly Arg Ala Lys Leu Ala Leu
35 40 45
Val Leu Thr Gly Val Leu Ile Phe Ala Leu Ala Leu Phe Gly Asn Ala
50 55 60
Leu Val Phe Tyr Val Val Thr Arg Ser Lys Ala Met Arg Thr Val Thr
65 70 75 80
Asn Ile Phe Ile Cys Ser Leu Ala Leu Ser Asp Leu Leu Ile Thr Phe
85 90 95
Phe Cys Ile Pro Val Thr Met Leu Gln Asn Ile Ser Asp Asn Trp Leu
100 105 110
Gly Gly Ala Phe Ile Cys Lys Met Val Pro Phe Val Gln Ser Thr Ala
115 120 125
Val Val Thr Glu Ile Leu Thr Met Thr Cys Ile Ala Val Glu Arg His
130 135 140
Gln Gly Leu Val His Pro Phe Lys Met Lys Trp Gln Tyr Thr Asn Arg
145 150 155 160
Arg Ala Phe Thr Met Leu Gly Val Val Trp Leu Val Ala Val Ile Val
165 170 175
Gly Ser Pro Met Trp His Val Gln Gln Leu Glu Ile Lys Tyr Asp Phe
180 185 190
Leu Tyr Glu Lys Glu His Ile Cys Cys Leu Glu Glu Trp Thr Ser Pro
195 200 205
Val His Gln Lys Ile Tyr Thr Phe Ile Leu Val Ile Leu Phe Leu
210 215 220
Leu Pro Leu Met Val Met Leu Ile Leu Tyr Ser Lys Ile Gly Tyr Glu
225 230 235 240
Leu Trp Ile Lys Lys Arg Val Gly Asp Gly Ser Val Leu Arg Thr Ile
245 250 255
His Gly Lys Glu Met Ser Lys Ile Ala Arg Lys Lys Arg Ala Val
260 265 270
Ile Met Met Val Thr Val Val Ala Leu Phe Ala Val Cys Trp Ala Pro
275 280 285
Phe His Val Val His Met Met Ile Glu Tyr Ser Asn Phe Glu Lys Glu
290 295 300
Tyr Asp Asp Val Thr Ile Lys Met Ile Phe Ala Ile Val Gln Ile Ile
305 310 315 320
Gly Phe Ser Asn Ser Ile Cys Asn Pro Ile Val Tyr Ala Phe Met Asn
325 330 335
Glu Asn Phe Lys Lys Asn Val Leu Ser Ala Val Cys Tyr Cys Ile Val
340 345 350
Asn Lys Thr Phe Ser Pro Ala Gln Arg His Gly Asn Ser Gly Ile Thr
355 360 365

02973.00040
405552
5058

Met	Met	Arg	Lys	Lys	Ala	Lys	Phe	Ser	Leu	Arg	Glu	Asn	Pro	Val	Glu
370					375					380					
Glu	Thr	Lys	Gly	Glu	Ala	Phe	Ser	Asp	Gly	Asn	Ile	Glu	Val	Lys	Leu
385					390				395				400		
Cys	Glu	Gln	Thr	Glu	Glu	Lys	Lys	Lys	Leu	Lys	Arg	His	Leu	Ala	Leu
					405				410				415		
Phe	Arg	Ser	Glu	Leu	Ala	Glu	Asn	Ser	Pro	Leu	Asp	Ser	Gly	His	
					420			425				430			

<210> 3
<211> 1710
<212> DNA
<213> Homo sapiens

<400> 3

tggccctcga	ggccaagaat	tcggcacgag	gaggcgaaaa	gccagaggcg	ccaggaccct	60
cgcgtggcgc	tccagcaccc	cagaccgtgg	cggcgccctcg	ccttagggaa	gagcaaggga	120
agaacatttat	ttgaaccgcg	aacattttt	ggtaactgag	atcgagtctc	ccagtgttt	180
ggcttcccgc	ctctttatcg	tggtttgat	ccctgagctg	cttccttcc	ccgaacctcc	240
cggggtgtcag	cctagagccc	tcccgcgccg	ctgactccag	agtagaggaa	gggaggcgcc	300
ctccggctgg	tcccccgaag	ccctcgctgc	cccgcatatg	cgatggcca	gccagtagcg	360
ggcgtgtggcc	ccgcgtcccg	ggagcgcaca	gcaatgcagg	cgcttaacat	tacccggag	420
cagtctctc	ggctgtctcg	ggaccacaac	ctgacgcggg	agcagttcat	cgctctgtac	480
cggctgcac	cgctcgctta	caccccaagag	ctgcccggac	gcgccaagct	ggccctctgt	540
ctcacccggcg	tgctcatctt	cgccttggcg	ctctttggca	atgctctgg	gttctacgtg	600
gtgacccgca	gcaaggccat	gcccacggtc	accaacatct	ttatctgctc	cttggcgctc	660
agtgacctgc	tcatcacctt	cttgcatt	ccgtcacca	tgctccagaa	catttccgac	720
aactggctgg	gggggtgttt	catttgcag	atggtgcatt	ttgtccagtc	taccgtgtt	780
gtgacagaaa	tcctcaactat	gacctgcatt	gctgtggaaa	ggcaccagg	acttgtcat	840
cctttaaaaa	tgaagtggca	atacaccac	cgaagggtt	tcacaatgt	aggtgtggc	900
tggctgggtgg	cagtcatcgt	aggatcaccc	atgtggcact	tgcaacaaact	tgagatcaa	960
tatgacttcc	tatatgaaaa	ggaacacatc	tgctgcttag	aagagtggac	cagccctgt	1020
caccagaaga	tctacaccac	cttcatcctt	gtcattccct	tcctcctg	tcttatgggt	1080
atgcttattc	tgtacagtaa	aattggttat	gaactttgga	taaaagaaaag	agttggggat	1140
ggttcagtgc	ttcgaactat	tcatggaaaa	gaaatgtcca	aaatagccag	gaagaagaaa	1200
cgagctgtca	ttatgtatgt	gacagtgg	gctctctt	ctgtgtgct	ggcaccattc	1260
catgttgtcc	atatgtatgt	tgaatacagt	aattttgaaa	aggaatatga	tgatgtcaca	1320
atcaagatga	ttttgtctat	cgtgcaaatt	attggat	ccaactccat	ctgtaatccc	1380
attgtctatg	catttatgaa	tgaaaactc	aaaaaaaatg	tttgtctgc	agtttgtt	1440
tgcatacgtaa	ataaaaacctt	ctctccagca	caaaggcat	gaaattcagg	aattacaatg	1500
atgcggaaaga	aagcaaagtt	ttccctcaga	gagaatccag	tggaggaaac	caaaggagaa	1560
gcattcagt	atggcaacat	tgaagtcaaa	ttgtgtgaac	agacagagga	gaagaaaaag	1620
ctcaaacgac	atcttgctct	ctttaggtct	gaactggct	agaattctcc	tttagacagt	1680
gggcattaaat	tataacaata	tcttcataat				1710

02973.00040
405552
5058